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INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Docket Number		Application Number	
				M4065.0295/P295-C		Not Yet Assigned	
				Applicant(s)			
				Howard E. RHODES			
Filing Date				Group Art Unit			
February 27, 2004				2815			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
one		4,374,700	02/1983	SCOTT et al.**			
		5,055,900	10/1991	FOSSUM et al.**			
		5,151,385	09/1992	YAMAMOTO et al.**			
		5,173,756	12/1992	WONG et al.**			
		5,319,604	06/1994	IMONDI et al.**			
		5,461,425	10/1995	FOWLER et al.**			
		5,471,515	11/1995	FOSSUM et al.**			
		5,541,402	07/1996	ACKLAND et al.**			
		5,576,763	11/1996	ACKLAND et al.**			
		5,608,243	03/1997	CHI et al.**			
		5,614,744	03/1997	MERRILL**			
		5,625,210	04/1997	LEE et al.**			
		5,705,846	01/1998	MERRILL**			
		5,708,263	01/1998	WONG**			
		5,721,425	02/1998	MERRILL**			
		5,731,622	03/1998	SUGIYAMA et al.**			
		5,747,840	05/1998	MERRILL**			
		5,757,045	05/1998	TSAI et al.**			
		5,770,878	06/1998	BEASOM**			
		5,990,515	11/1999	LIU et al.**			
one		6,001,684	12/1999	SHEN**			
		6,008,103	12/1999	HOEPFNER**			
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
one		Dickinson, A., et al., A 256x256 CMOS Active Pixel Image Sensor with Motion Detection, 1995 IEEE International Solid-State Circuits Conference, pps. 226-227.**					
one		Dickinson, A., et al., Standard CMOS Active Pixel Image Sensors for Multimedia Applications, Proceedings of Sixteenth Conference on Advanced Research in VLSI, March 27-29, 1995, pps. 214-224.**					
one		Eid, E-S., et al., A 256 x 256 CMOS Active Pixel Image Sensor, Proc. SPIE Vol. 2415, April 1995, pps. 265-275.**					
one		Fossum, E., CMOS Image Sensors: Electronic Camera On A Chip, 1995 IEEE, pps. 17-25.**					

2/27/4

10/787,155

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	REF	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Que		Fossum, E., <u>Low Power Camera-on-a-Chip Using CMOS Active Pixel Sensor Technology</u> , 1995 IEEE, pps. 74-77.**					
		Fossum, E., <u>Architectures for focal plane image processing</u> , Optical Engineering, Vol. 28, No 8, August 1989, pps. 865-871.**					
		Janesick, J., et al., <u>New advancements in charge-coupled device technology - sub-electron noise and 4096x4096 pixel CCDs</u> , Proc. SPIE Vol. 1242, 1990, pps. 223-237.**					
		Kemeny, S.E., et al., <u>Update on focal-plane image processing research</u> , Proc. SPIE Vol. 1447, 1991, pps. 243-250.**					
		Mendis, S., et al., <u>CMOS Active Pixel Image Sensor</u> , IEEE Transactions on Electron Devices, Vol. 41, No. 3, March 1994, pps. 452-453.**					
		Mendis, S.K., et al., <u>A 128 x 128 CMOS Active Pixel Image Sensor for Highly Integrated Imaging Systems</u> , 1993 IEEE, pps. 583-586.**					
		Mendis, S.K., et al., <u>CMOS Active Pixel Image Sensors for Highly Integrated Imaging Systems</u> , IEEE Journal of Solid-State Circuits, Vol. 32, No. 2, February 1997, pps. 187-197.**					
		Mendis, S.K., et al., <u>Design of a Low-Light-Level Image Sensor with On-Chip Sigma-Delta Analog-to-Digital Conversion</u> , Proc. SPIE Vol. 1900, July 1993, pps. 31-39.**					
		Mendis, S.K., et al., <u>Low-Light-Level Image Sensor with On-Chip Signal Processing</u> , Proc. SPIE Vol. 1952, November 1993, pps. 23-33.**					
		Mendis, S.K., et al., <u>Progress In CMOS Active Pixel Image Sensors</u> , Proc. SPIE Vol. 2172, May 1994, pps. 19-29.**					
Qu		Nakamura, J., et al., <u>CMOS Active Pixel Image Sensor with Simple Floating Gate Pixels</u> , IEEE Transactions on Electron Devices, Vol. 42, No. 9, September 1995, pps. 1693-1694.**					

2/27/4

19/787,155

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	REF	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Nixon, R.H., et al., <u>256 x 256 CMOS Active Pixel Sensor Camera-on-a-Chip</u> , IEEE Journal of Solid-State Circuits, Vol. 31, No. 12, December 1996, pps. 2046-2050.**					
		Nixon, R.H., et al., <u>256x256 CMOS Active Pixel Sensor Camera-on-a-Chip</u> , 1996 IEEE International Solid-State Circuits Conference, pps. 178-179.**					
		Panicacci, R., et al., <u>Programmable multiresolution CMOS active pixel sensor</u> , Proc. SPIE Vol. 2654, March 1996, pps. 72-79.**					
		Panicacci, R.A., et al., <u>128Mb/s Multiport CMOS Binary Active-Pixel Image Sensor</u> , 1996 IEEE International Solid-State Circuit Conference, pps. 100-101.**					
		Yadid-Pecht, O., et al., <u>CMOS Active Pixel Sensor Star Tracker with Regional Electronic Shutter</u> , IEEE Journal of Solid-State Circuits, Vol. 32, No. 2, February 1997, pps. 285-288.**					
		Yadid-Pecht, O., et al., <u>Wide dynamic range APS star tracker</u> , Proc. SPIE Vol. 2654, March 1996, pps. 82-92.**					
		Zarnowski, J., et al., <u>Imaging options expand with CMOS technology</u> , Laser Focus World, June 1997, pps. 125-130.**					
		Zhou, Z., et al., <u>A Cmos Imager with On-Chip Variable Resolution for Light-Adaptive Imaging</u> , 1998 IEEE International Solid-State Circuits Conference, pps. 174-175.**					
		Zhou, Z., et al., <u>A Digital CMOS Active Pixel Image Sensor For Multimedia Applications</u> , Proc. SPIE Vol. 2894, September 1996, pps. 282-288.**					
		Fossum, E., et al., <u>IEDM A 37x28mm² 600k-Pixel CMOS APS Dental X-Ray Camera-on-a-Chip with Self-Triggered Readout</u> , 1998 IEEE International Solid-State Circuits Conference, pps. 172-173.**					
EXAMINER <u>Q. Wil</u> DATE CONSIDERED <u>2/18/04</u>							
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							